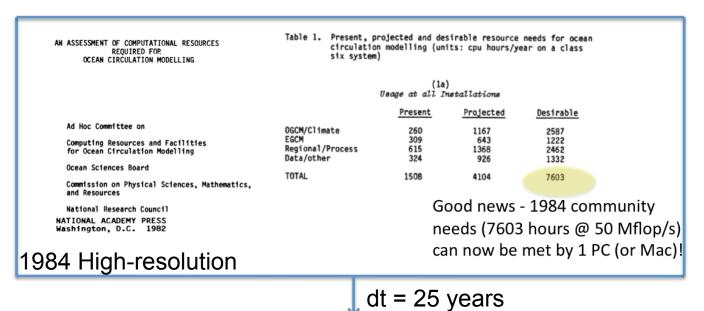
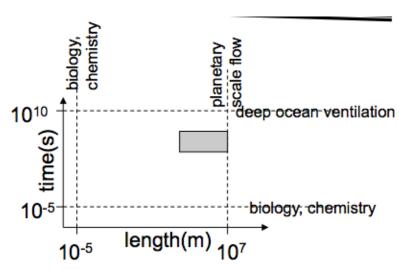
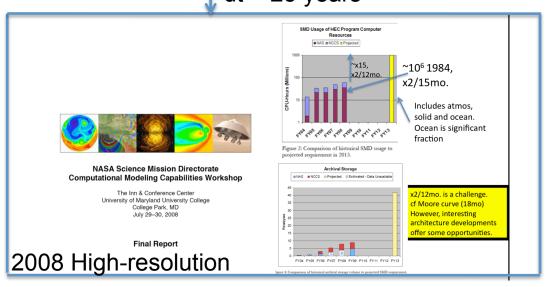
High-resolution?

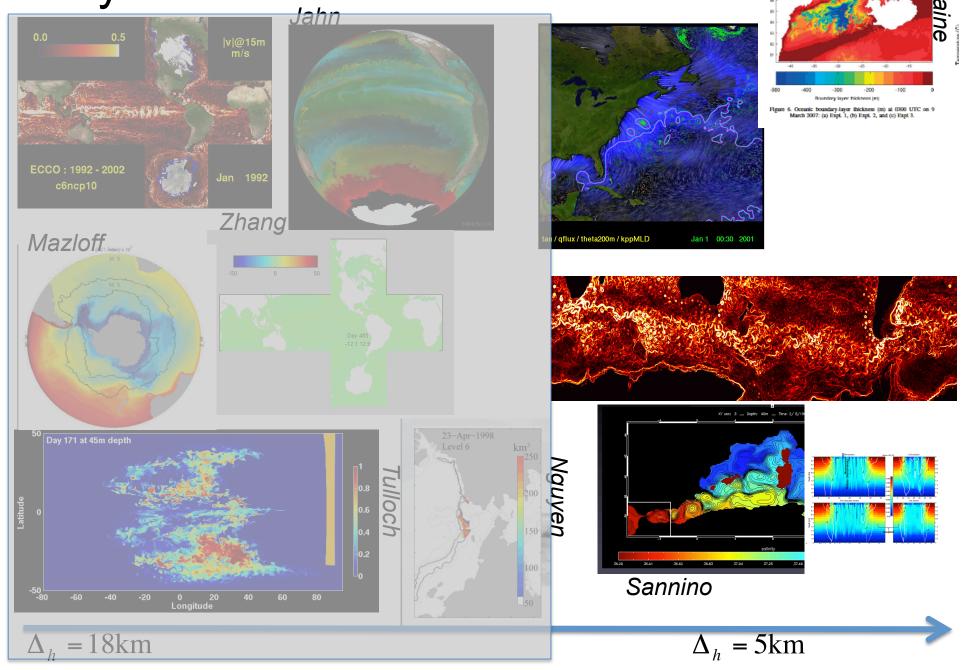


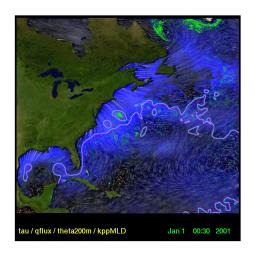


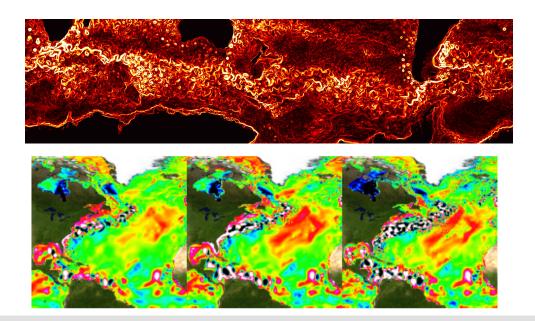
x processes, uncertainity



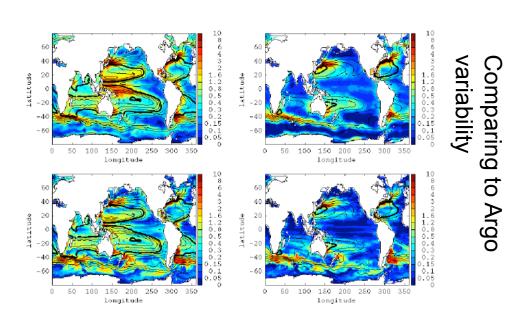
Beyond 18km cube

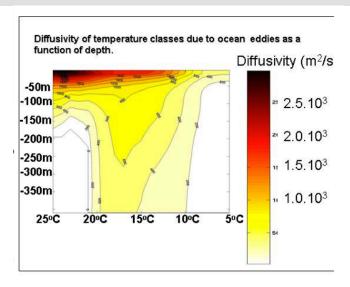


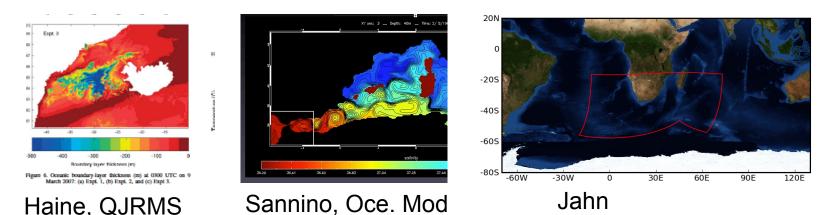




Experimental global calcs at <10km







Future plans – PAVE (petascale arctic, atlantic, antarctic virtual experiment) building towards 1-2km resolving Arctic, Atlantic, Antarctic sing; e model – can we get toward explicit representation of mixed layer (some, PRM), overflows, straits, salt plume etc...?

Experimental testbed for multi-scale, sub-model based parameterizations.

